



Was alive, but especially a small cleer white part V, seemed to beat like the heart of a larger Animal. The last three divisions, W X Y, were cover'd with black and opacous shells. To conclude, take this creature altogether, and for beauty and curious contrivances, it may be compared with the largest Animal upon the Earth. Nor doth the Alwise Creator seem to have shewn less care and providence in the fabrick of it, then in those which seem most considerable.

Observ. XLV. *Of the great Belly'd Gnat or female Gnat.*

THe second Gnat, delineated in the twenty ninth *Scheme*, is of a very differing shape from the former; but yet of this sort also, I found several of the Gnats, that were generated out of the Water Insect: the wings of this, were much larger then those of the other, and the belly much bigger, shorter and of an other shape; and, from several particulars, I ghest it to be the Female Gnat, and the former to be the Male.

The *thorax* of this, was much like that of the other, having a very strong and ridged back-piece, which went also on either side of its leggs; about the wings there were several joynted pieces of Armor, which seem'd curiously and conveniently contriv'd, for the promoting and strengthening the motion of the wings: its head was much differing from the other, being much bigger and neater shap'd, and the horns that grew out between his eyes on two little balls, were of a very differing shape from the tufts of the other Gnat, these having but a few knots or joynts, and each of those but a few, and those short and strong, bristles. The formost horns or feelers, were like those of the former Gnat.

One of these Gnats I have suffer'd to pierce the skin of my hand, with its *proboscis*, and thence to draw out as much blood as to fill its belly as full as it could hold, making it appear very red and transparent; and this without any further pain, then whil st it was sinking in its *proboscis*, as it is also in the stinging of Fleas: a good argument, that these creatures do not wound the skin, and suck the blood out of enmity and revenge, but for meer necessity, and to satisfy their hunger. By what means this creature is able to suck, we shall shew in another place.

Observ. XLVI. *Of the white featherwing'd Moth or Tinea Argentea.*

THis white long wing'd Moth, which is delineated in the 30. *Scheme*, afforded a lovely object both to the naked Eye, and through a *Microscope*: to the Eye it appear'd a small Milk white Fly with four white

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Wings